

Request a Demonstration

The audience for this program is primarily students in flood-prone communities across the State of Missouri. Emphasis is placed on students in grades 3-5.

However, the presentation may be easily adapted to accommodate a wide range of audiences, in other venues. Examples include conferences, science fairs and community meetings.



Contact Us



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Floodplain 3D Simulation Model Outreach Program



Teaching Floodplain Management Through Hands-On Learning

This demonstration offers participants the opportunity to explore the value of wetlands and retention ponds in floodplain management.

Using this hands-on approach, participants will experience the results of critical decisions that they have made in regard to floodplain development including housing development placement and the construction of levees.

Emphasis will be placed on positive outcomes such as “No Adverse Impact” and “Turn Around Don’t Drown®”.

During this exercise attendees will work as a team, testing solutions to a variety of floodplain management problems.



Outreach Goals

- Focus on demonstrating the model in Missouri schools with an emphasis on grades 3-5.
- Focusing on which communities experience flooding events on a regular basis.
- Assisting children who have been through a flooding event by helping them understand the science behind the event and how water behaves.
- Raising awareness of the “Turn Around Don’t Drown®” campaign along with the “No Adverse Impact” concept in floodplain management.
- Raising awareness of the effects that development in the floodplain has over time.
- Generating interest and awareness in floodplain management as a whole.

How to Apply

Application may be found at the State of Missouri Floodplain Management Website:

sema.dps.mo.gov/programs/floodplain/

Why Floodplain Management is Important

- Flooding is the most costly type of disaster in the United States.
- Just one inch of water can cause significant damage to a property; 30% of all claims are filed in low to moderate risk areas. Anyone can flood!
- Millions of Americans are unaware of their personal risk for property damage or options they have to protect themselves.
- There is at least a 25% chance that homeowners will experience a flood over the life of a 30 year mortgage if the property is located in a high risk area.
- Flood-related deaths in the U.S. account for more fatalities than any other natural disaster.
- We can mitigate the effects that development has on our communities.

